

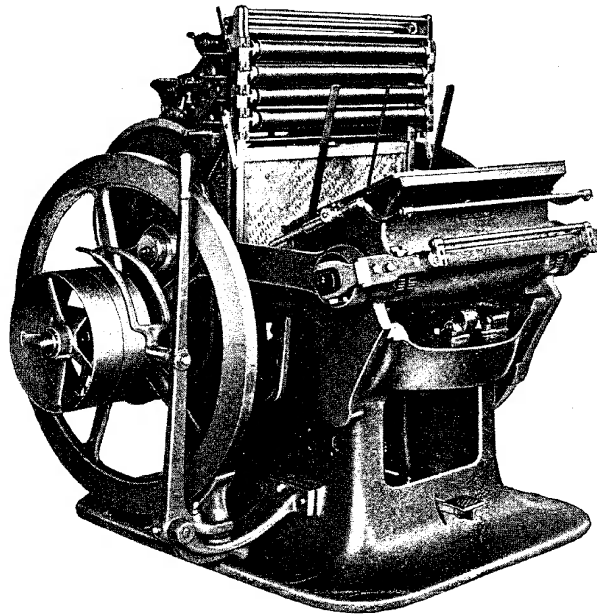
RELIABLE PRODUCTS FOR PRINTERS

Barnhart Brothers & Spindler

LAUREATE FOUR-ROLLER PLATEN PRESS

SIZE: 14x22 INCH—HALF SUPER-ROYAL

The Laureate Four-Roller Platen Printing Press, Model J, has been on the market for a number of years and has given excellent satisfaction. It has four form rollers and is especially intended for work of a character requiring perfect distribution and heavy impression at speeds of 1200 to



LAUREATE PLATEN PRINTING PRESS

1800 impressions an hour. The movement of the platen is faultlessly controlled and permits of rapid feeding. The particular function of the Laureate is printing halftones, multiple color plates, tint blocks and combinations of cuts, borders and type. It can also be successfully used for printing thick and heavy cardboard, heavy cover stock, and other work not so well adapted for a cylinder press. The faces of the bed and platen are hand scraped to practically exact plane surfaces and the rigidity of the bed and platen, and the accuracy with which the bed slides squarely toward the form, make it possible to use a thin and hard make-ready, which assures a sharp, clean impression.

Good examples of the work which may be produced on the Laureate at high speed are

the three-color and tint-plate halftone advertising placards to be seen in railroad cars, omnibuses, subways and wherever such advertising is exhibited.

The Laureate can readily be adapted for special purposes, at a moderate additional cost, such as for hot-stamping book-covers and thereafter inlaying them; and, when stripped of the inking apparatus, it is uniquely effective for moderately heavy embossing; also, in certain cases, to simultaneously print and emboss at a single impression. But, when special uses are contemplated, each case should be submitted by us to the manufacturers for approval.

The Laureate ink fountain is of the most approved design, and offers the pressman every facility for producing the highest class of work. The distribution system is built on scientific lines. Changes from one color to another can be made quickly, as the distributing system is extremely simple and effective; neither streaks nor reprints are possible.

Chases are steel, all surfaces finished, locking surfaces parallel, and the locking-latch is actuated by a pedal. The carriage is driven by the main crank-pins. When the driving belt is shifted, or an electric motor circuit broken, friction is simultaneously applied to flywheel, whereby a very sudden stop can be effected. The impression throw-off also serves to cause the carriage to dwell on cylinders. Both cylinders reciprocate, as changers, each traverse being opposite to that of the other; hence, the alternating thrust is balanced.

In the designing and general construction of the Laureate Four-Roller Platen Printing Press the employment of unnecessary curlicue lines and sharp intersections between angles were purposely avoided. Simplicity in details and harmonious results in the aggregate was the aim.

*Send for circular fully describing the Laureate Four-Roller Platen Printing Press
Quotation will be sent upon request*

Merchants to Printers since 1868

RELIABLE PRODUCTS FOR PRINTERS

Barnhart Brothers & Spindler

COLT'S ARMORY MODEL 5-C PRINTING PRESS

SIZE: 14X22 INCH—HALF SUPER-ROYAL

Colt's Armory Model 5-C Printing Presses were first introduced to the printing trade in 1886, and are well and favorably known throughout the world. Thousands of these presses are in operation at the present time, giving complete satisfaction. They were launched at the start with correct mechanical design and construction. Their high class construction, as well as the high grade materials used in their manufacture, has always characterized them as the very best moderately priced platen-type printing machines obtainable. Both the bed and platen of all Colt's Armory Presses are hand scraped to approximately exact plane surfaces, and the impact imparted to the form by the platen is not only primarily very precise, but will remain so indefinitely. This is due to the fact that when the platen moves toward and impinges upon the form it is entirely free from the controlling action and can do nothing else other than slide forward dead square to the impact, reducing the possibility of a slurring impression.

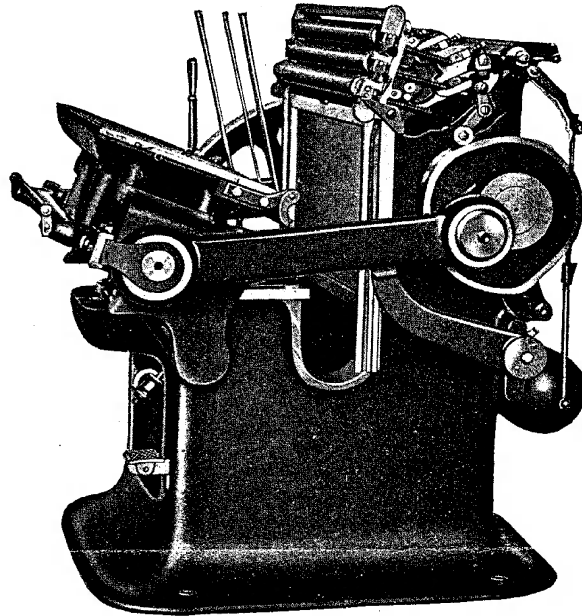
Various detail improvements have been made from time to time in order that the machines be kept in step with the requirements of the advancement in printing. Especially do these improvements

relate to the betterment of the inking system. The fountain is elevated and set back so that the ductor roller deposits ink directly upon the changer and the fresh ink from the fountain is immediately distributed and again passed to the distributing rollers and redistributed and given the necessary finishing touch before it reaches the three form rollers. When the roller carriage is latched-up, the feed of the ink fountain automatically ceases. Consequently when the form rollers are again put in action the delivery of ink to the form is precisely the same as before. Many other minor improvements make the Colt's Armory Printing Press a decidedly modern printing machine. The automatic feed for controlling the ink supply and the roller adjustments for regulating the contact or pressure of the distributing rollers are among the more recent important improvements. The main ink cylinder reciprocates differentially, serving as a changer both on the distributing rollers and on the form rollers.

The Colt's Armory Printing Press is efficient and moderately priced. It is normally immune against a let-down in efficiency, and the cost of maintenance is almost negligible.

It is a producer of high grade printing at a high rate of speed. With truly type-high forms and hard, thin tympan, the make-ready is easy and enduring. The platen swings out to a wide angle, reverses very slowly and smoothly, as is also the case with the carriage action.

The equipment and specifications of the Colt's Armory Model 5-C Printing Press are the same as those of Model 6-C, described on page 549. The only difference in the two machines is that the Model 6-C is built considerably heavier and better adapted for specialty printing than Model 5-C.



COLT'S ARMORY MODEL 5-C PRINTING PRESS

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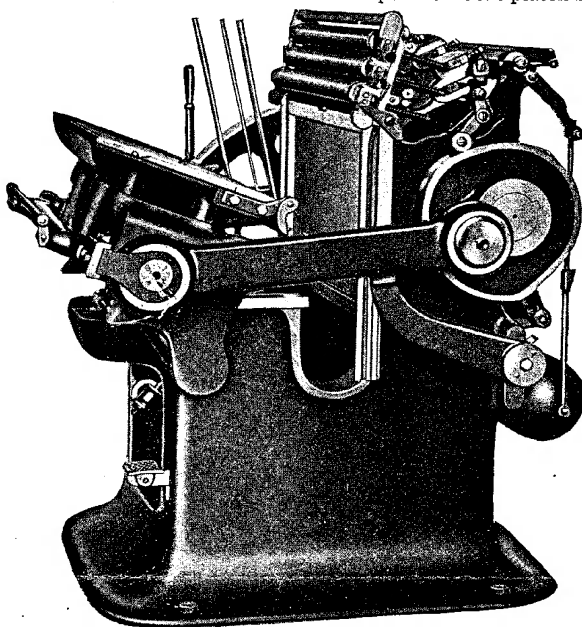
RELIABLE PRODUCTS FOR PRINTERS

Barnhart Brothers & Spindler

COLT'S ARMORY MODEL 6-C PRINTING PRESS

SIZE: 14x22 INCH—HALF SUPER-ROYAL

The Colt's Armory Model 6-C Printing Press has three form rollers and is built along the same lines as the Model 5-C with the exception that the platen bed and frisket frame are considerably



COLT'S ARMORY MODEL 6-C PRINTING PRESS

heavier and consequently stronger, which makes the Model 6-C exceptionally well adapted for printing wooden toy blocks, checkers, graduated rules (straight and beveled), book cover stamping (hot or cold), inlaying book covers, light embossing (hot or cold), impressing gold foil, cutting out register dials, besides the general run of a good grade of commercial printing. As in the case of the Model 5-C and the Laureate Press, all pins, studs and rollers of the Model 6-C are of high carbon hardened steel, and they, together with the cranks and shafts, are ground to precise dimensions. The platen motion is exceedingly smooth, swings out to a wide angle and has a slow-moving dwell, which is conducive to rapid feeding and close register.

The ink fountain and distributing system of the Colt's Armory Model 6-C Printing Press is designed along the same lines as the Model 5-C, described on page 548 and possesses

the essentials necessary to adequately take care of a large variety of special work, besides the regular run of commercial job printing. The Model 6-C will be found a great acquisition in any establishment doing a considerable amount of special printing. It is essential, however, for the realization of the best results, and for mutual satisfaction between seller and purchaser, that we be informed in advance of the purpose or purposes for which the press is to be used. As a general rule it is far better to use a press for a single specific purpose rather than to indiscriminately employ it on too wide a variety of work. Nevertheless, in the hands of a competent pressman, unusual and excellent results in specialty printing can be obtained on the Model 6-C Press.

For example, a battery of presses of this type are used by the Bank of England for printing its India Rupee Notes from relief-engraved gun-metal plates. The make-ready for each denomination is on parchment, interchanges on the platen, and the endurance thereof is interminable.

The equipment for the Colt's Armory Model 6-C Printing Press consists of 6 form roller stocks, 4 distributor stocks, 2 vibrator stocks, 6 form roller wheels $1\frac{1}{4}$ inch in diameter, 6 form roller wheels $1\frac{1}{8}$ inch in diameter, 3 steel interlocked chases, 2 feed tables, 2 feed table standards, and 3 frisket fingers.

The press without feed tables measures 48x51 inches. The face of each feed table is $14\frac{1}{2}$ x22 inches. The space through which the press will pass assembled is 51 inches, and disassembled it may be passed through a space of $32\frac{1}{2}$ inches. There are $8\frac{1}{2}$ revolutions of the flywheel to each impression and one horsepower will drive the press.

NOTE.—Colt's Armory Presses are guaranteed by the manufacturers to be free from defects caused by internal flaws, or defective hardening. Any working part of the machine containing such defect will be replaced without charge. If such exist, it is because they are hidden.

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